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14 to said vibration force element, thereby allowing individual adjustment and positioning of said
15 filament assembly for contacting the tympanic membrane and imparting audible vibrations
16 without exerting static forces thereto.

Subj

14 41. (Twice Amended) A canal hearing device adapted for directly contacting the
15 tympanic membrane and imparting audible vibrations thereto, comprising:
16 (a) a floating vibrational filament assembly for contacting the tympanic membrane
17 at its medial end,
18 (b) a stationary vibration force element positioned in the ear canal at a distance from
19 the tympanic membrane and operably associated with said vibrational filament assembly,
20 said vibrational filament assembly being dynamically coupled to said vibration force
21 element so as to be statically floating relative thereto and responsive to dynamic forces imparted
22 by said vibration force element on said filament assembly for movement freely within an operable
23 range in at least one degree of freedom with respect to said vibration force element, thereby
24 allowing individual adjustment and positioning of said vibrational filament assembly for
25 contacting the tympanic membrane and imparting audible vibrations without exerting essentially
26 any static forces thereto.

Subj

1 83. (Twice Amended) A hearing device constructed and adapted to fit and be worn
2 within the ear canal of a human subject for imparting audible vibrations to the tympanic
3 membrane of the subject, comprising:

4 a microphone for receiving the incoming signals representative of audio signals and
5 converting them to electrical signals;
6 an amplifier for processing and amplifying the electrical signal output of the microphone;
7 a vibration force element responsive to said amplified signals for conversion thereof to
8 dynamic forces representative of said incoming signals; and
9 a vibrational filament assembly dynamically coupled to said vibration force element and
10 responsive to said dynamic forces imparted by said vibration force element,

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11 said vibrational filament assembly being essentially free floating within an operable range
12 in at least one degree of freedom with respect to said vibration force element, thereby allowing
13 individual adjustment and positioning of said vibrational filament assembly for contacting the
14 tympanic membrane and imparting audible vibrations without exerting essentially any static
15 forces thereto.

Subj C

1 85. (Amended) A method of imparting audible vibrations on the tympanic membrane
2 of an individual comprising the steps of:

3 (a) attaching a vibratory filament assembly at its medial end to the tympanic
4 membrane; and

5 (b) dynamically coupling said vibratory filament assembly to a vibration force element
6 so that said vibrational filament assembly is essentially free floating within an operable range, in
7 at least one degree of motion freedom, with respect to said vibration force element to allow
8 individual adjustment and positioning of said vibrational filament assembly for contacting the
9 tympanic membrane; and

10 (c) imparting mechanical vibrations representative of audio signals on the lateral end
11 of said vibratory filament assembly by means of said vibration force element so as to impart
12 audible vibrations to the tympanic membrane without exerting essentially any static forces
13 thereon.

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Cancel claims 82 and 94, without prejudice to refiling thereof in a continuation application.

REMARKS

The status of the claims is as follows. Claims 1, 3, 9, 13, 20-22, 24-25, 30, 34-36, 41-83, 85 and 87-89 stand rejected under the judicially created doctrine of obviousness-type double patenting, allegedly as being unpatentable over claims 1-3, 13-17, 23, 28, 38-41, 44, 46, 47, 68 and 77 of U.S. Patent No. (US) 6,137,889 to Shennib et al (Shennib '889). Claims 1, 3-9, 13-16,